

## Refine Search

### Search Results -

Terms	Documents
L11 and antioxidants	20

Database:

US Pre-Grant Publication Full-Text Database  
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Search:

L14

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Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, August 12, 2004 [Printable Copy](#) [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR

<u>L14</u>	L11 and antioxidants	20	<u>L14</u>
<u>L13</u>	L12 and emulsions	11	<u>L13</u>
<u>L12</u>	L11 and emulsions	78144	<u>L12</u>
<u>L11</u>	L10 and L1	39	<u>L11</u>
<u>L10</u>	L9 and emulsions	98	<u>L10</u>
<u>L9</u>	((process or method) near making) same (water adj oil)	162	<u>L9</u>
<u>L8</u>	L7 and L1	6	<u>L8</u>
<u>L7</u>	((process or method) near making) same (water adj oil adj emulsion)	31	<u>L7</u>
<u>L6</u>	((proces or method) near making) same (water adj oil adj emulsion)	15	<u>L6</u>
<u>L5</u>	((proces or method) near making) (water adj oil adj emulsion)	292850	<u>L5</u>
<u>L4</u>	L12 and (water adj oil adj emulsion)	1	<u>L4</u>
<u>L3</u>	L2 and microclusters	3	<u>L3</u>
<u>L2</u>	L1 and (water near clusters)	67	<u>L2</u>
<u>L1</u>	(hair or topical or cosmetic or dermatological or skin)	612381	<u>L1</u>

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Generate Collection

Print

L6: Entry 15 of 18

File: JPAB

Dec 5, 1995

PUB-NO: JP407313859A

DOCUMENT-IDENTIFIER: JP 07313859 A

TITLE: PRODUCTION OF EMULSION OF OIL AND WATER

PUBN-DATE: December 5, 1995

## INVENTOR-INFORMATION:

NAME

MAKISE, RYUTARO

COUNTRY

## ASSIGNEE-INFORMATION:

NAME

MAKISE RYUTARO

COUNTRY

APPL-NO: JP06145258

APPL-DATE: May 24, 1994

INT-CL (IPC): B01 F 3/08; B01 J 13/00; C10 L 1/32

## ABSTRACT:

PURPOSE: To provide the improved method for producing an emulsion of oil and water.

CONSTITUTION: In this method, when water and a surfactant are blended and agitated with each other beforehand while applying an external pressure to them in a high-speed blender the hydrogen bonds of water are weakened with the external pressure applied by the high-speed blender, and simultaneously the surface tension of water is extremely reduced by the surfactant effect to obtain microcluster water consisting of highly dense, extremely fine molecular agglomerates of water. Then, when optional one of oils is added to the microcluster water while gradually dropping the oil to the water by small amount portions by agitating the water by the high-speed blender, the added oil is included in the cluster water consisting of highly dense, extremely fine molecular agglomerates of water so that the oil itself is divided into extremely fine particles and gradually formed into an agar-like colloidal gel. Any one of oils once formed into such agar-like colloidal gel is easily dissolved in water in any required ratio, if necessary to produce an emulsion of highly dense, extremely fine oil and water.

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[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#)      [Previous Doc](#)      [Next Doc](#)      [Go to Doc#](#)**End of Result Set**☐ [Generate Collection](#) [Print](#)

L6: Entry 18 of 18

File: DWPI

Sep 7, 1993

DERWENT-ACC-NO: 1993-316790

DERWENT-WEEK: 199340

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TITLE: Water contg. micro-cluster of water molecules - which gather around nuclei of e.g. calcium, lithium, zinc, iron, copper, of opposite electrical charge to clusters, giving high energy

## PATENT-ASSIGNEE:

ASSIGNEE

KOAZU PATENNTORAITO INN TANASHONARU KK

CODE

KOAZN

PRIORITY-DATA: 1991JP-0352157 (December 13, 1991)

[Search Selected](#)[Search ALL](#)[Clear](#)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <a href="#">JP 05228476 A</a>	September 7, 1993		005	C02F001/48

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 05228476A	December 13, 1991	1991JP-0352157	

INT-CL (IPC): C01B 5/00; C02F 1/48

ABSTRACTED-PUB-NO: JP 05228476A

## BASIC-ABSTRACT:

Water contg. micro clusters of water molecules, gather around nuclei that have opposite electric charge to those of water molecule clusters. Substance that makes up the nuclei is at least one of Ca, Li, Na, n, Fe, Cu, poly-saccharide, fumatic acid, enzyme, and hormone. Water placed in magnetic or electric field of fixed strength is mixed with substance above which has affinity for water molecule and then placed in magnetic or electric field of different strength than water, then the mixt. is placed in magnetic or electric field. Conc'n. of substance in mixt. is 0.001-1.0 wt.%. Water or mixt. above is exposed to magnetic or electric field several times repeatedly. The wavelength of the electromagnetic wave is also claimed.

USE/ADVANTAGE - For producing water contg. micro-clusters with high energy. Water made of smaller clusters has high permeability in organisms so that solute carried by microclusters of water molecules is easily absorbed. A wide field of application for the micro-clustered water is attained. Process produces water.